This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

ASSY QTY B/O

Part #

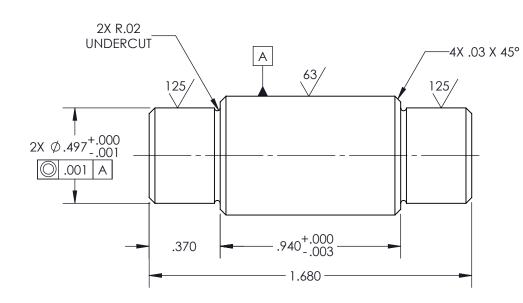
C45-13-3

1 KEEPER SHAFT

Description

REVISIONS								
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED			
3		AS DRAWN BY CANAM.	9/13/2012	RJC				
3A	14-0127	CH'D TITLE BLOCK WAS RED BARN IS DART, ADDED BAG & LABEL NOTE, CH'D TOLERANCE ON NON- CRITICAL DIMENSIONS.	8/14/2014	DPD	RW			

## SEE ATTACHED DEVIATION

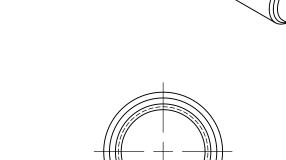


Material

4140/4142

Ø5/8 X 1-7/8

**B/O INFORMATION OR SPECIFICATIONS** 



Ø.619<sup>+.000</sup><sub>-.003</sub>

- NOTES:
  1. NICKEL PLATE .0004 .0006, BAKE AFTER PLATING.
- 2. BAG & LABEL WITH BATCH NUMBER.

DART									
TITLE	EEPER	SHAF	T						
DWG NO. C45-13-3									
MAT'L 4140/4142		DRAWN BY:	CANAM	•					
UNLESS OTHERWISE		APPROVED	D We	ril					
VVV ± OOF	IONS ± 1/8	HEAT TREAT	RC 34-36						
VV ± 04	GLES ±.5°	FINISH	SEE NOTE 1						
1. BREAK ALL SHARP EDG	ES .015 x 45°	SPEC							
OR .015R 2. DIMENSIONAL LIMITS AP	USED ON MODEL								
PLATING	PLY AFIER								
SCALE 2:1	DATE 5/	14/1997	SHEET 1 C	)F 1					

DQA:	Date:			_			Ì	DART	
QA Closed:	Date:	WORK ORDER NON		ork Order update only		AEROSPAC			
	DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Work Order: Part No NCR No.	C45-13-3	Rework Scrap Use-as-is Suspected Unapproved	]   .	Machining Thermoforming	Cross tube  Small Fab  Finishing  Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier		Engineering  Quality  Other	
Date:	Ste	p #:		QTY Effective :	composite	Зиррпет		IRB (QSI042) Approval	
Description Work Order Deviation				Disposition				MLee Feb 27, 2019	
C45-13-3 can be manufactured from 17-4PH-H1025 as an alternative material  Heat treat and Nickel plating is not required if the part is manufactured from 17-4PH-H900				<ul> <li>This deviation is acceptable.</li> <li>The fit, form and function of the part will be as originally intended.</li> </ul>				Completed By  Lead hand / Supervisor Approval Verification  QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY					
Environment	No Re-verfication	Pressure/Forced	Te	emperature/Cure		Power Loss/Surge		Positioned Wrong	
Design	Operator	Bending	Se	et-up		Folio/Program		Outside Dimensions	
Doc/Data	Offset/Setup	Centre Not Concentric	ВС	OM/Route		Grain		Over/Under tolerand	
Equip/Tooling	Supplier	Cracks	Br	roken/Damage/Defect		Weld		Part Incorrect	
Handling/Pre	Training	Crimp/Kink/Ripple/Wave	In	spection Incomplete/Unqu	ıalified	Wrong Stock Pulled		Part Lost/Missing	
Material )	Use for Testing	Cuffs	Co	ontamination		Out of Sequence		Part Moved	
Internal Transport	Poor Information	Crushing	Co	ountersink		Off-set		Drawing	
Tribal Knowledge	Rushing	Heat Treat	Cı	ut Too Short		Mislabeled		Finish	
LOA	Product Improvement	Wave/Twist in Tube	In	structions Incomplete/Unc	lear	Fit/Function		Misread	
Substation	Process Improvement	Marks/Chatter	Dı	rill Holes		Misaligned/off center		Turning Sequence	
Past Expiry Date	Manufacturing Process								

Past Due

OTHER:

Misidentified